

## 49 Human ATP-Binding Cassette Transporters

Name	ABC1	MDR	MRP	ALD	OABP	GCN20	White
Subfamily	ABCA	ABCB	ABCC	ABCD	ABCE	ABCF	ABCG
Members	12	11	13	4	1	3	5 (+1?)
Some Inhibitors	DIDS Glyburide	Verapamil Valspodar Nocardipin Nimodipin	MK-571 Benzbromarone				
Symbols Access	ABCA1: <a href="#">NM005502</a>	ABCB1 <a href="#">NM000927</a>	ABCC1 <a href="#">NM 004996</a>	ABCD1 <a href="#">NM 000333</a>	ABCE1 <a href="#">NM 002940</a>	ABCF1 <a href="#">NM 001090</a>	ABCG1 <a href="#">NM 004915</a>
	ABCA2: <a href="#">NM001606</a>	ABCB2 <a href="#">NM000593</a>	ABCC2 <a href="#">NM 000392</a>	ABCD2 <a href="#">NM 005164</a>		ABCF2 <a href="#">NM 005692</a>	ABCG2 <a href="#">NM 004827</a>
	ABCA3 <a href="#">NM001089</a>	ABCB3 <a href="#">NM000544</a>	ABCC3 <a href="#">NM 003786</a>	ABCD3 <a href="#">NM 002858</a>		ABCF3 <a href="#">AK002060</a>	ABCG3
	ABCA4 <a href="#">NM000350</a>	ABCB4 <a href="#">NM000443</a>	ABCC4 <a href="#">NM 005845</a>	ABCD4 <a href="#">NM 005050</a>			ABCG4 <a href="#">NM 022169</a>
	ABCA5 <a href="#">NM018672</a>	ABCB5 <a href="#">U66692</a>	ABCC5 <a href="#">NM 005688</a>				ABCG5 <a href="#">NM 022436</a>
	ABCA6 <a href="#">NM080284</a>	ABCB6 <a href="#">NM 005689</a>	ABCC6 <a href="#">NM 001171</a>				ABCG8 <a href="#">NM 022437</a>
	ABCA7 <a href="#">NM019112</a>	ABCB7 <a href="#">NM004299</a>	ABCC7 <a href="#">NM 000492</a>				
	ABCA8 <a href="#">NM007168</a>	ABCB8 <a href="#">NM 007188</a>	ABCC8 <a href="#">NM 000352</a>				
	ABCA9 <a href="#">NM080283</a>	ABCB9 <a href="#">NM 019624</a>	ABCC9 <a href="#">NM 005691</a>				
	ABCA10 <a href="#">NM080282</a>	ABCB10 <a href="#">NM 012089</a>	ABCC10 <a href="#">XM052745</a>				
	ABCA12 <a href="#">NM015657</a>	ABCB11 <a href="#">NM 003742</a>	ABCC11 <a href="#">NM 033151</a>				
	ABCA13		ABCC12 <a href="#">NM 033226</a>				
			ABCC13 <a href="#">NM 138726</a>				

**FIGURE 1**

2/27

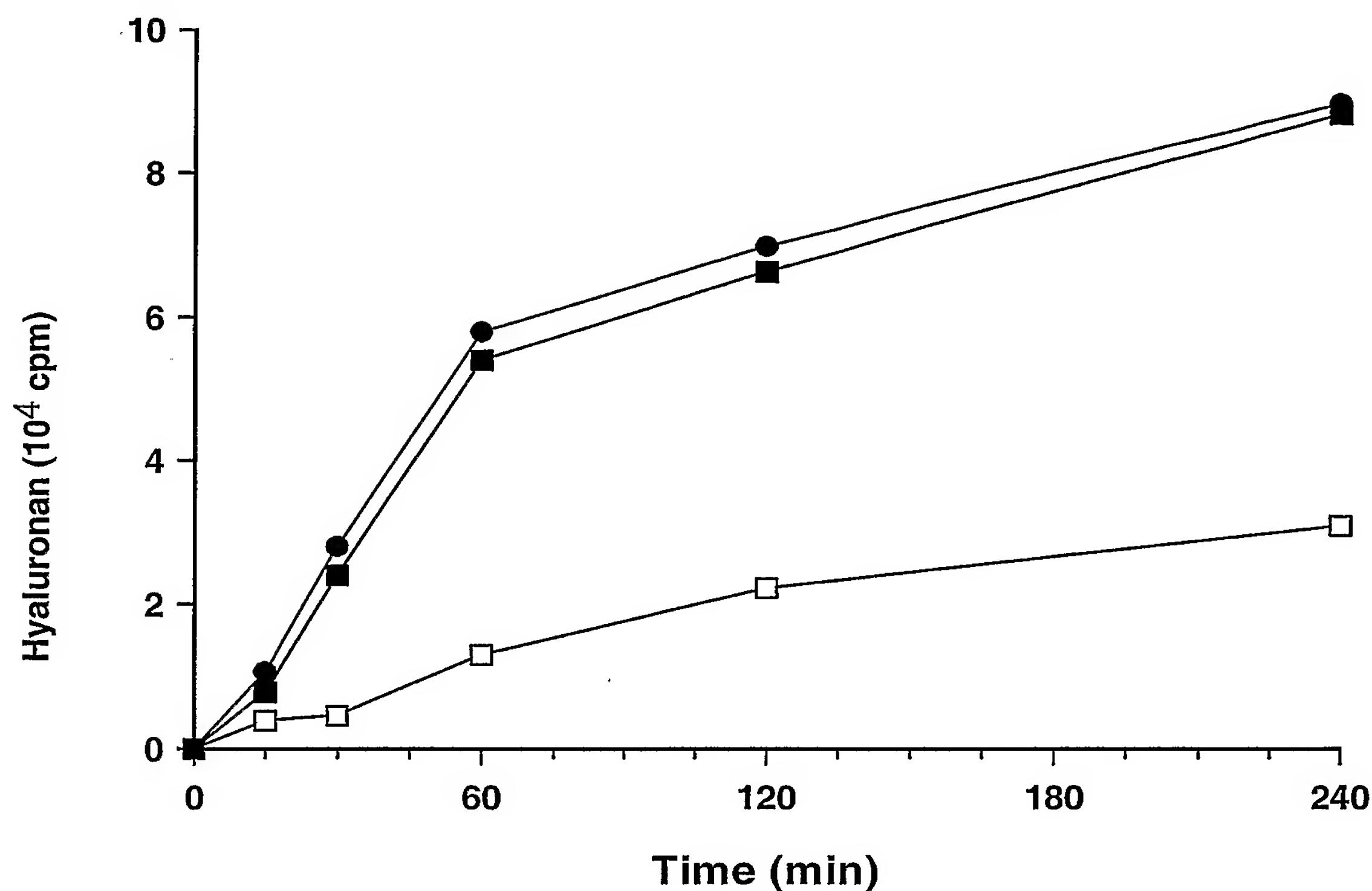


FIGURE 2

3/27

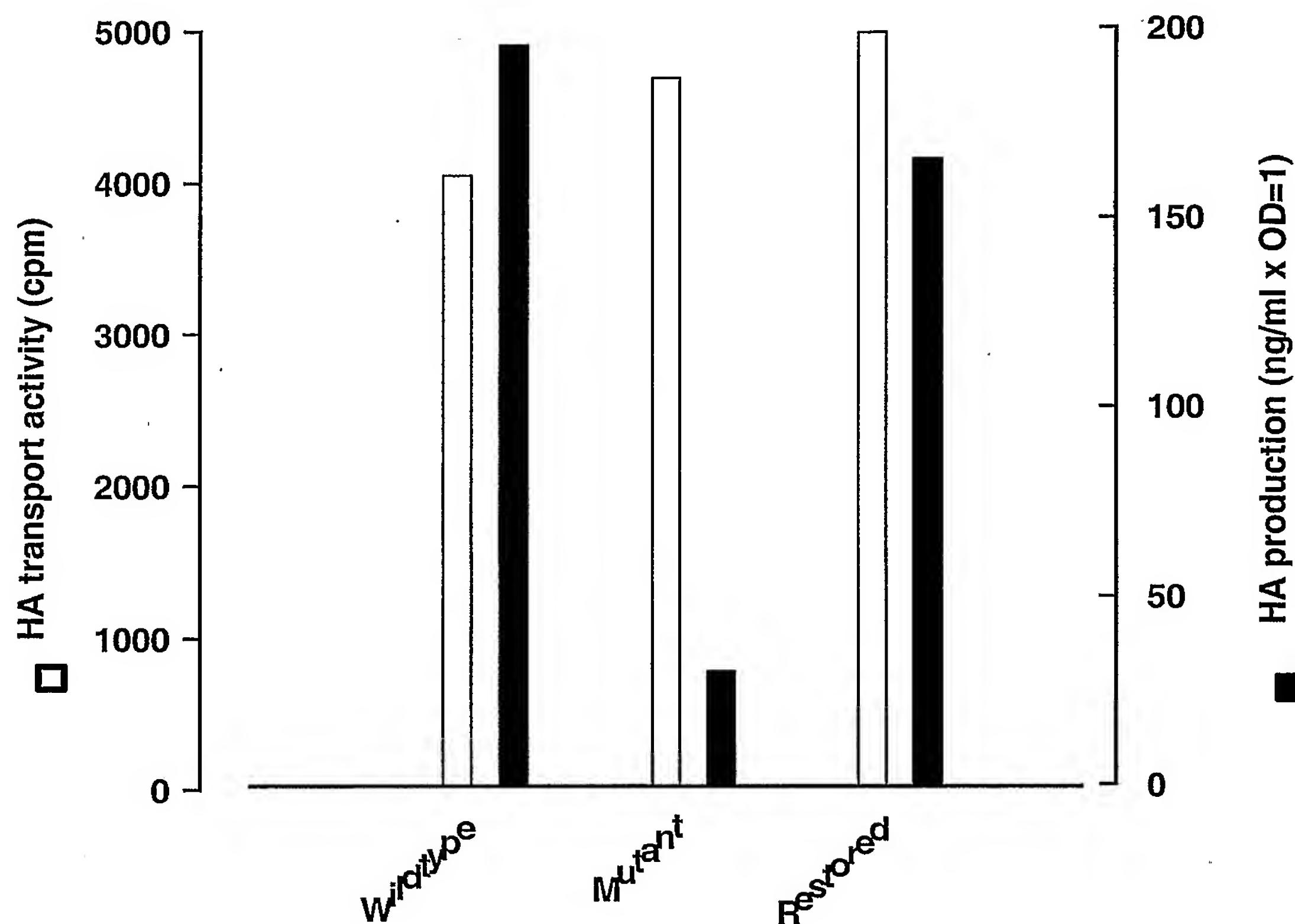


FIGURE 3

4/27

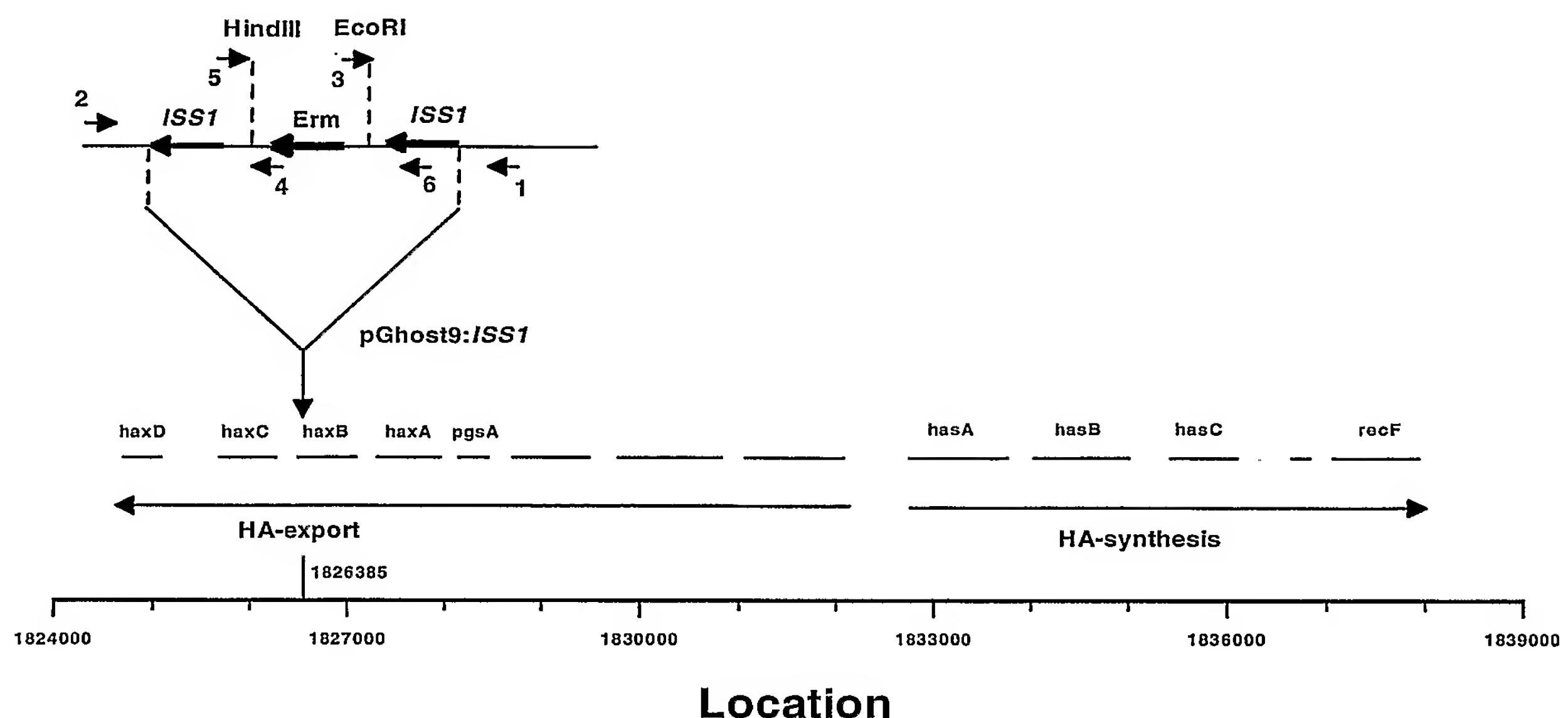


FIGURE 4

5/27

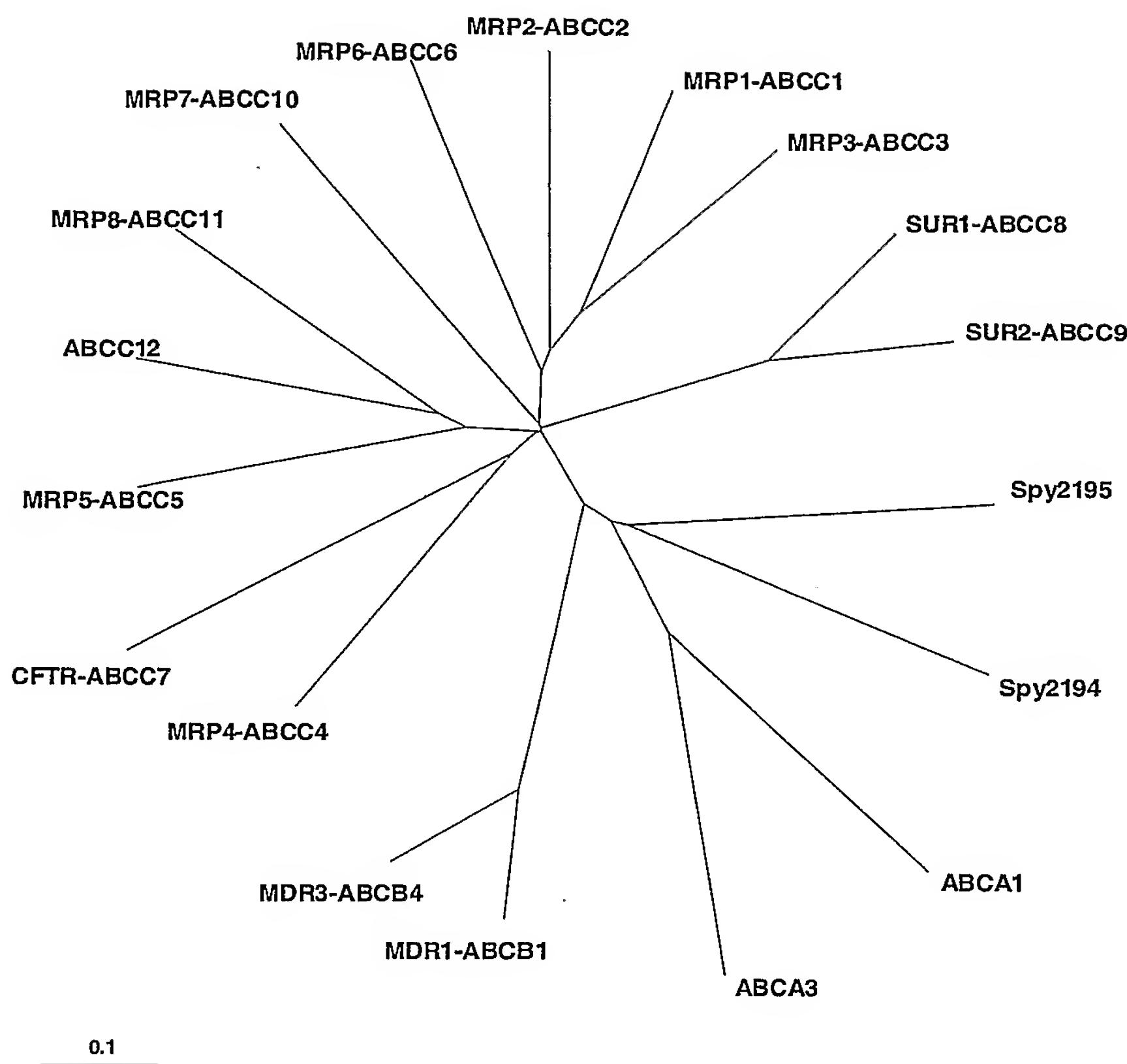


FIGURE 5

6/27

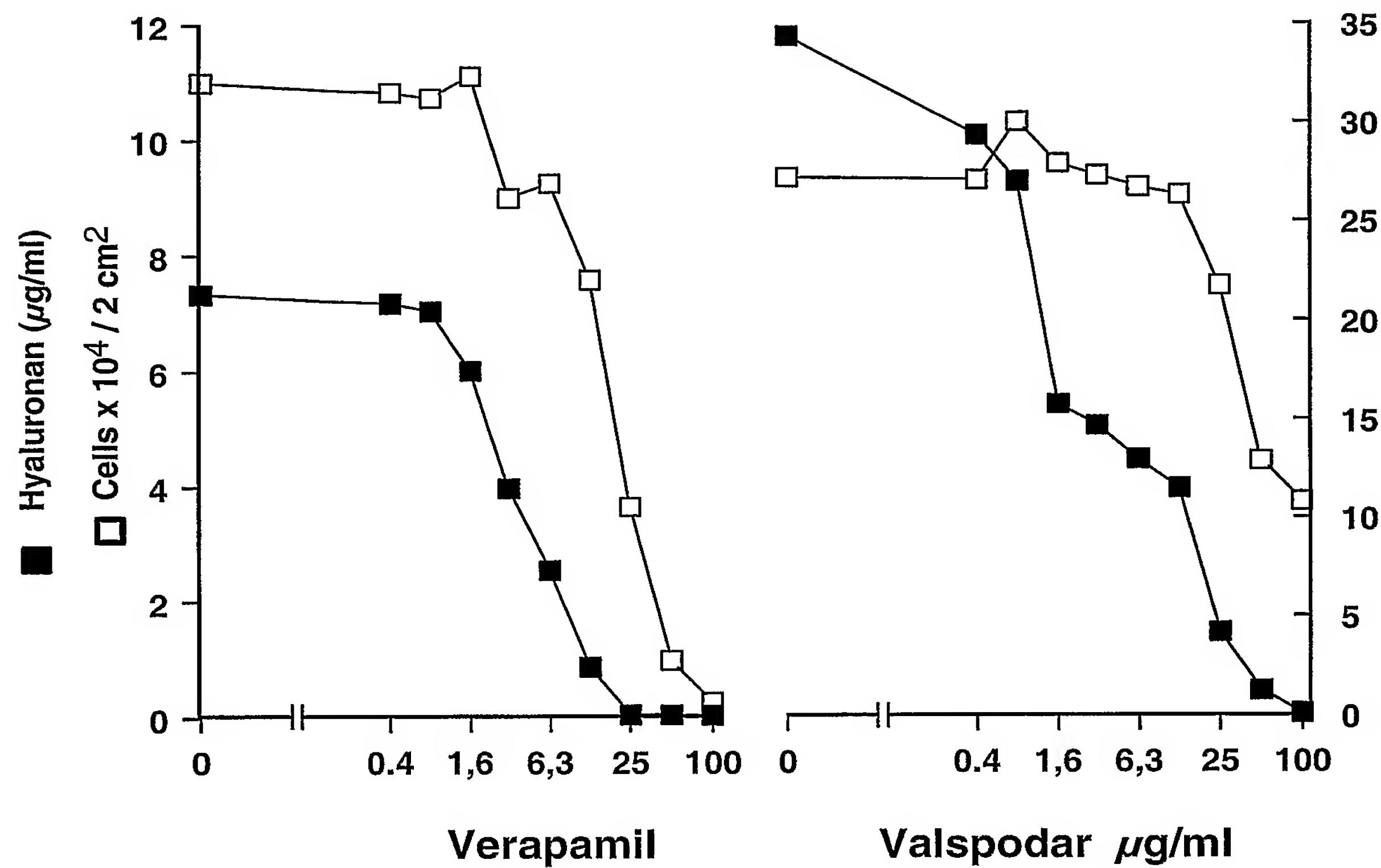


FIGURE 6

7/27

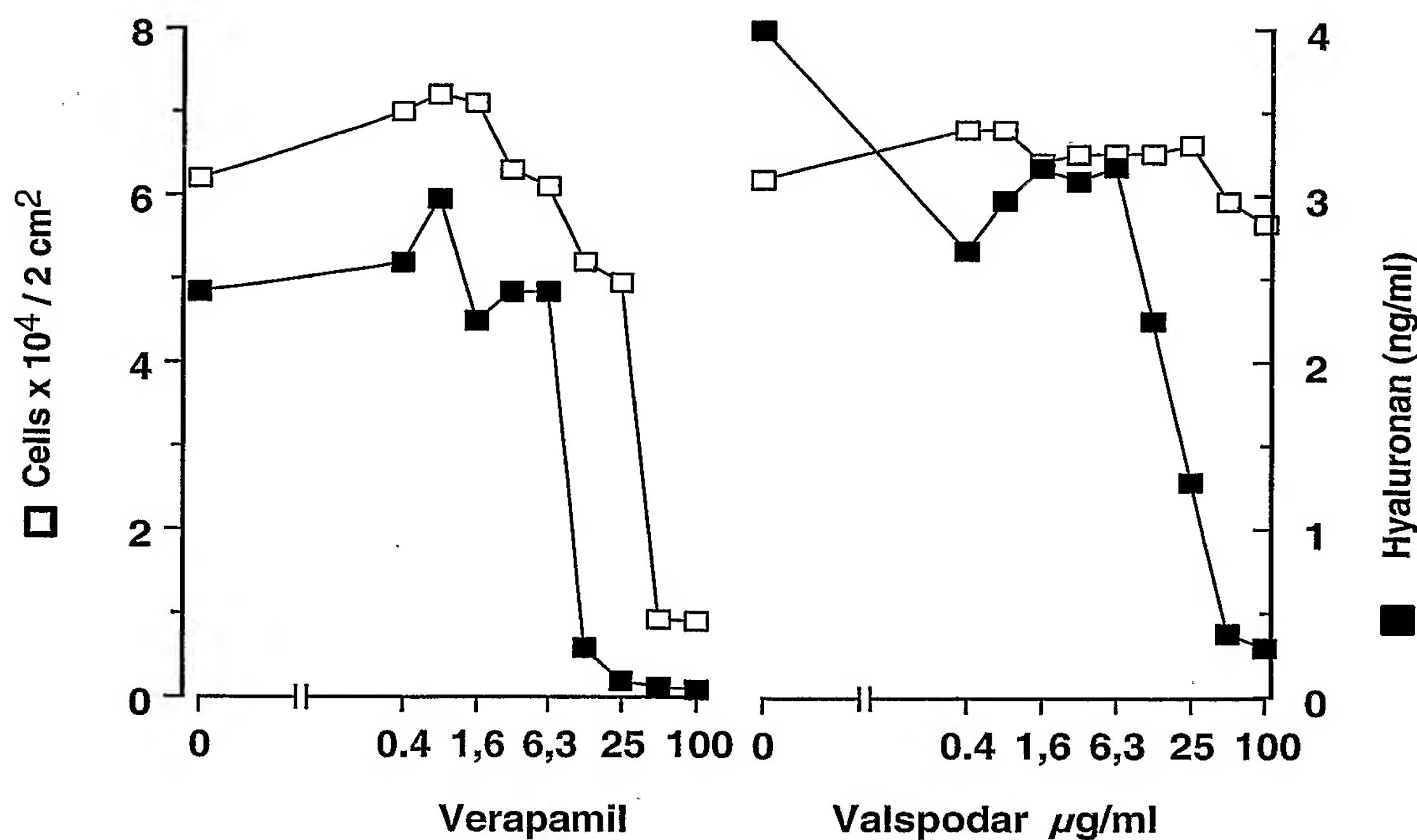


FIGURE 7

8/27

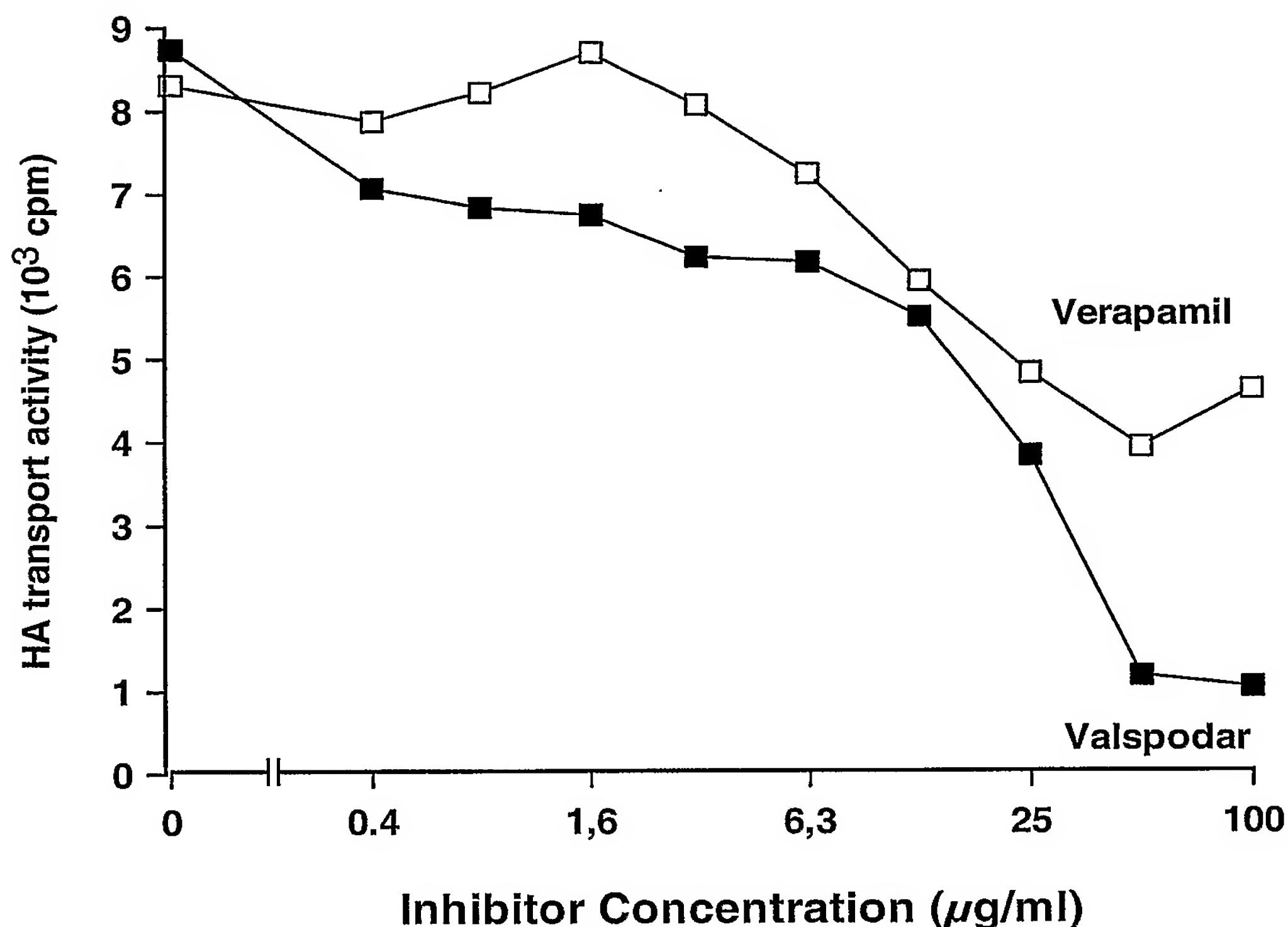


FIGURE 8

9/27

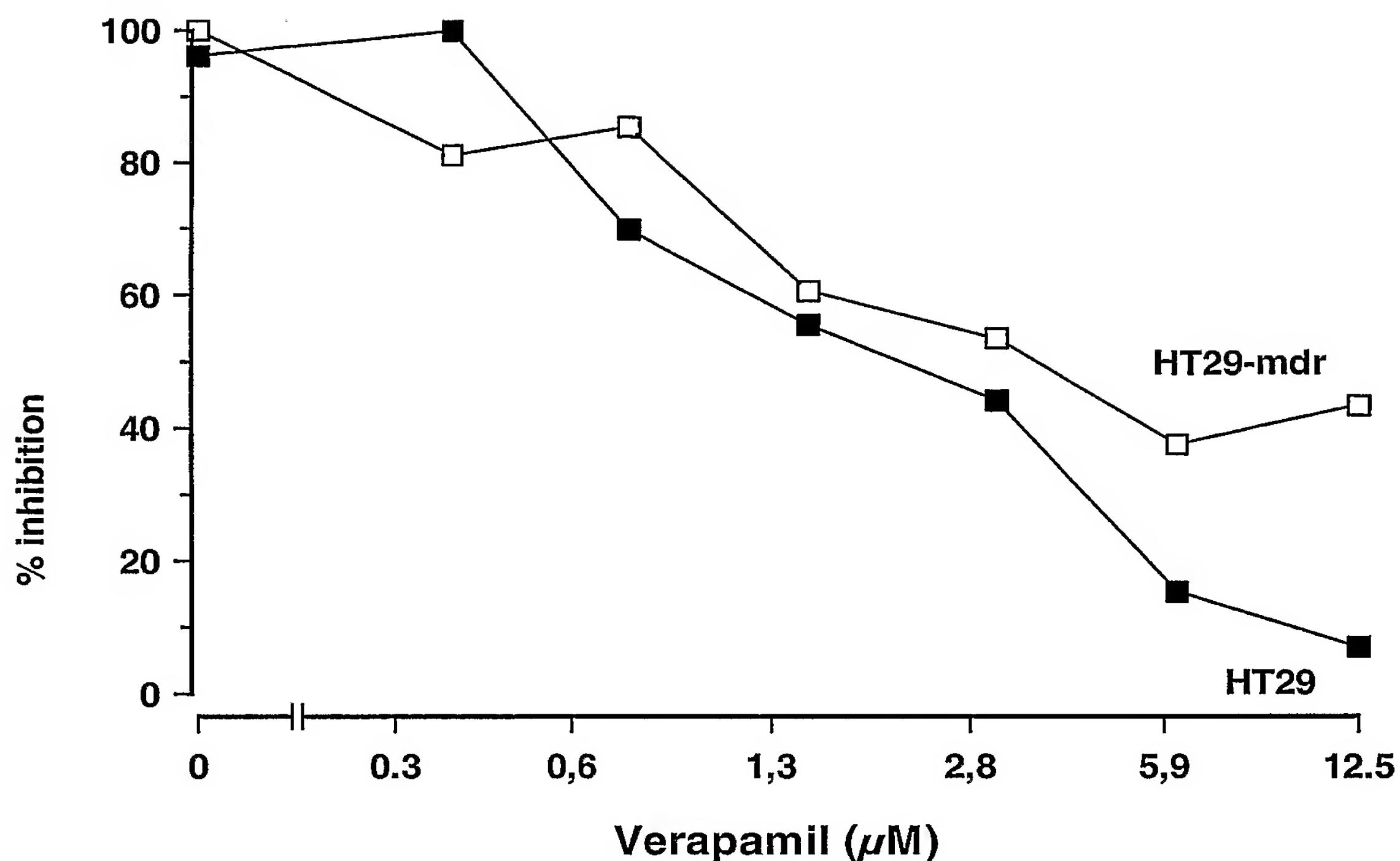


FIGURE 9

10/27

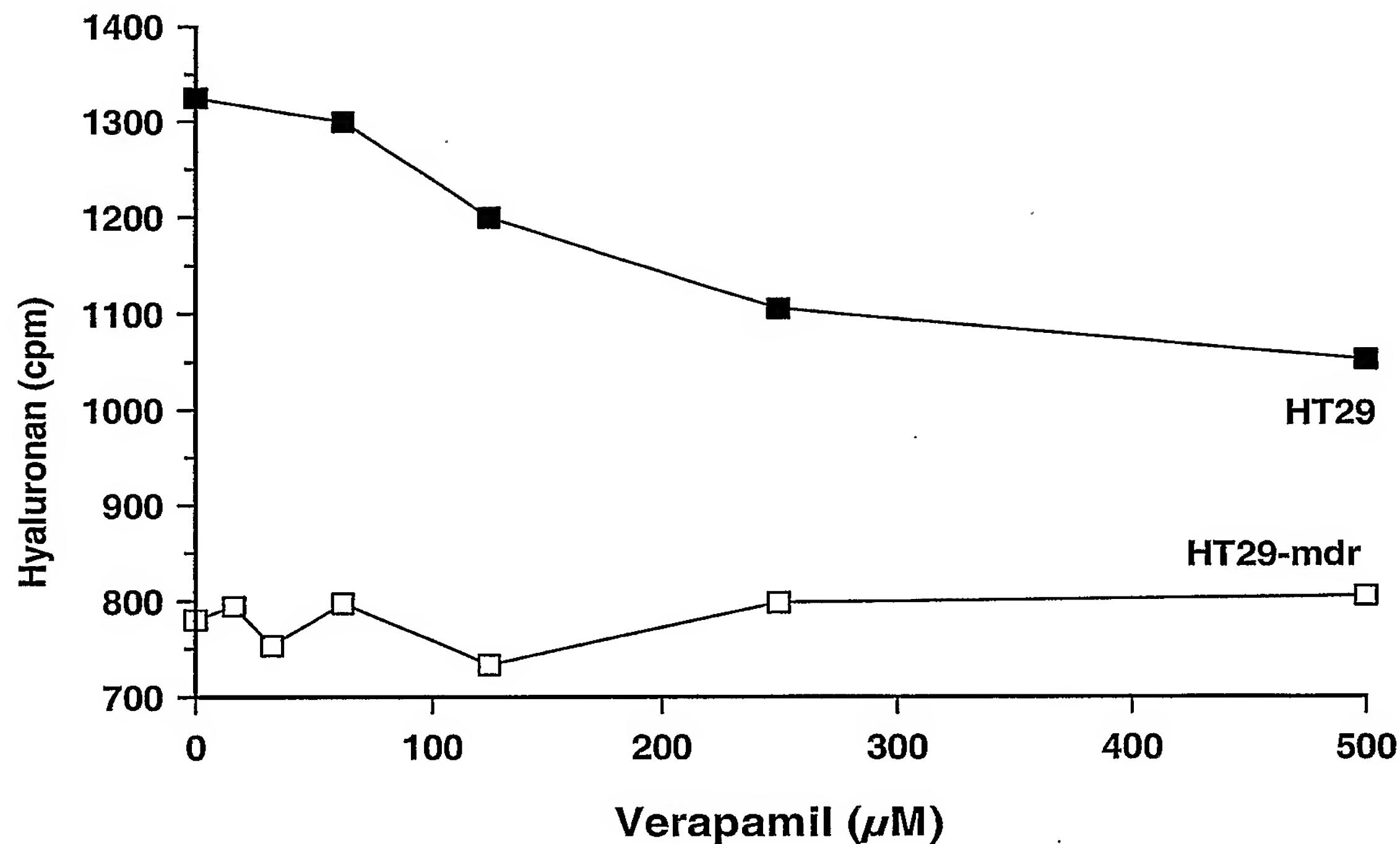


FIGURE 10

11/27

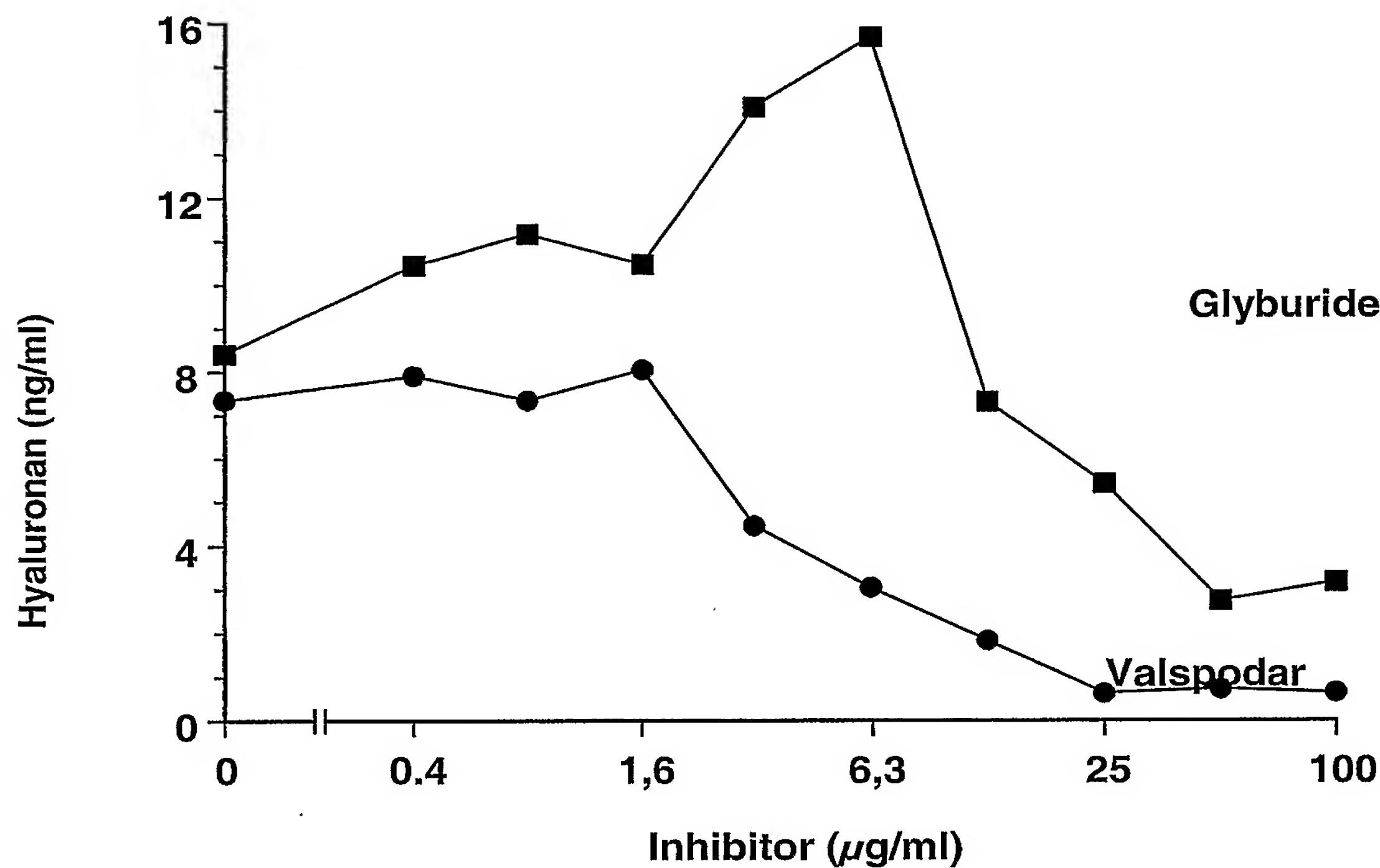


FIGURE 11

12/27

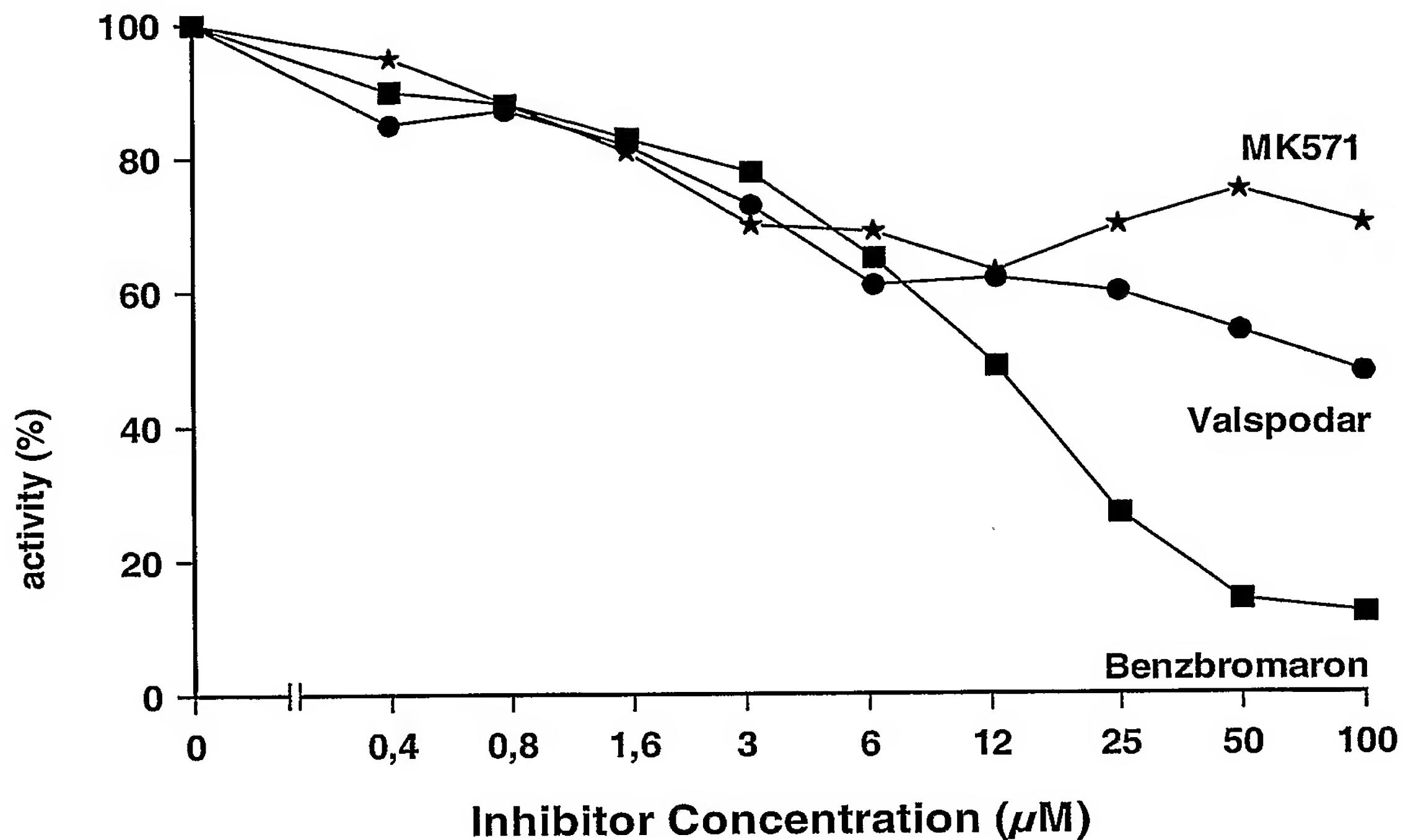


FIGURE 12

13/27

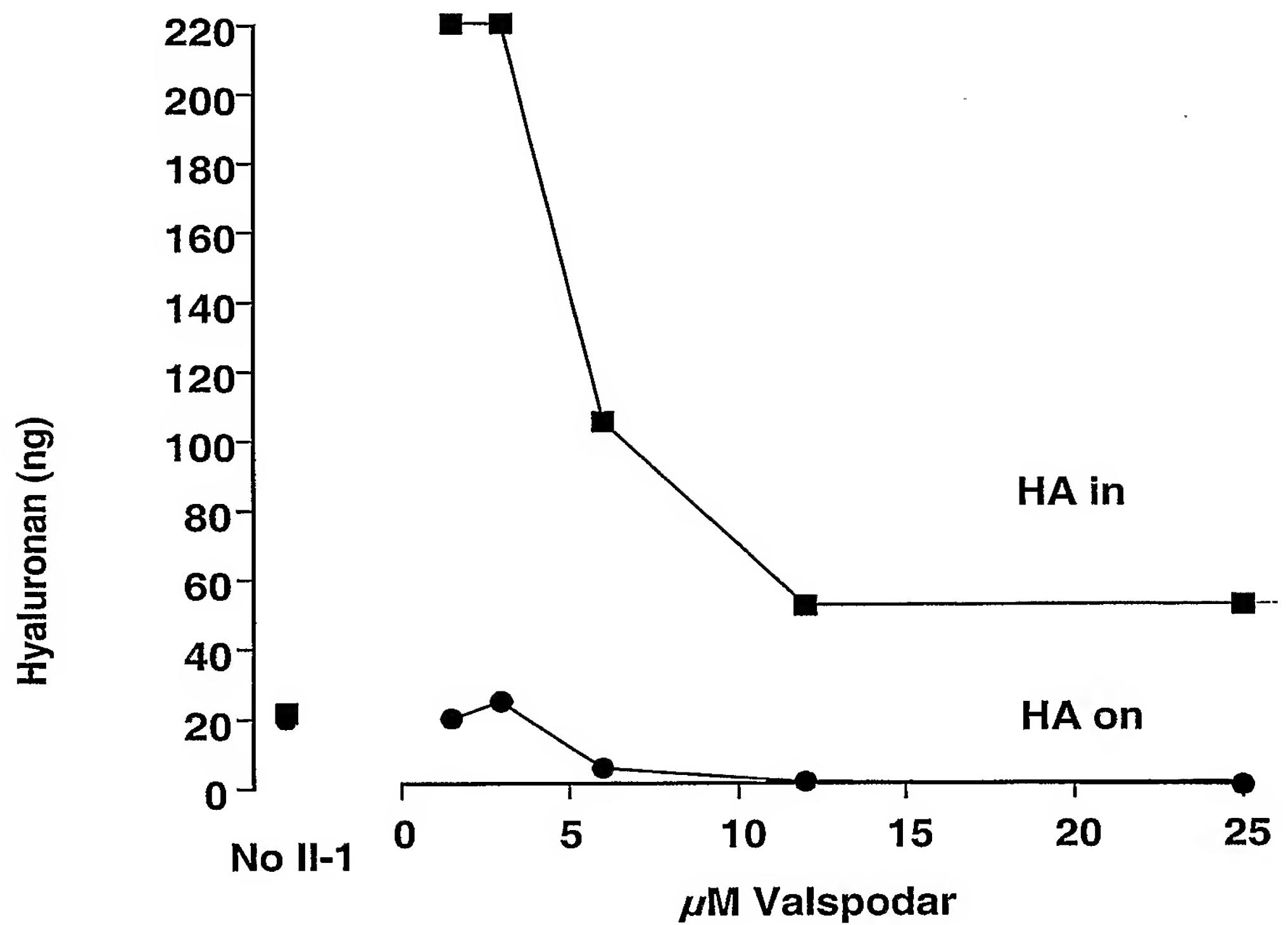


FIGURE 13

14/27

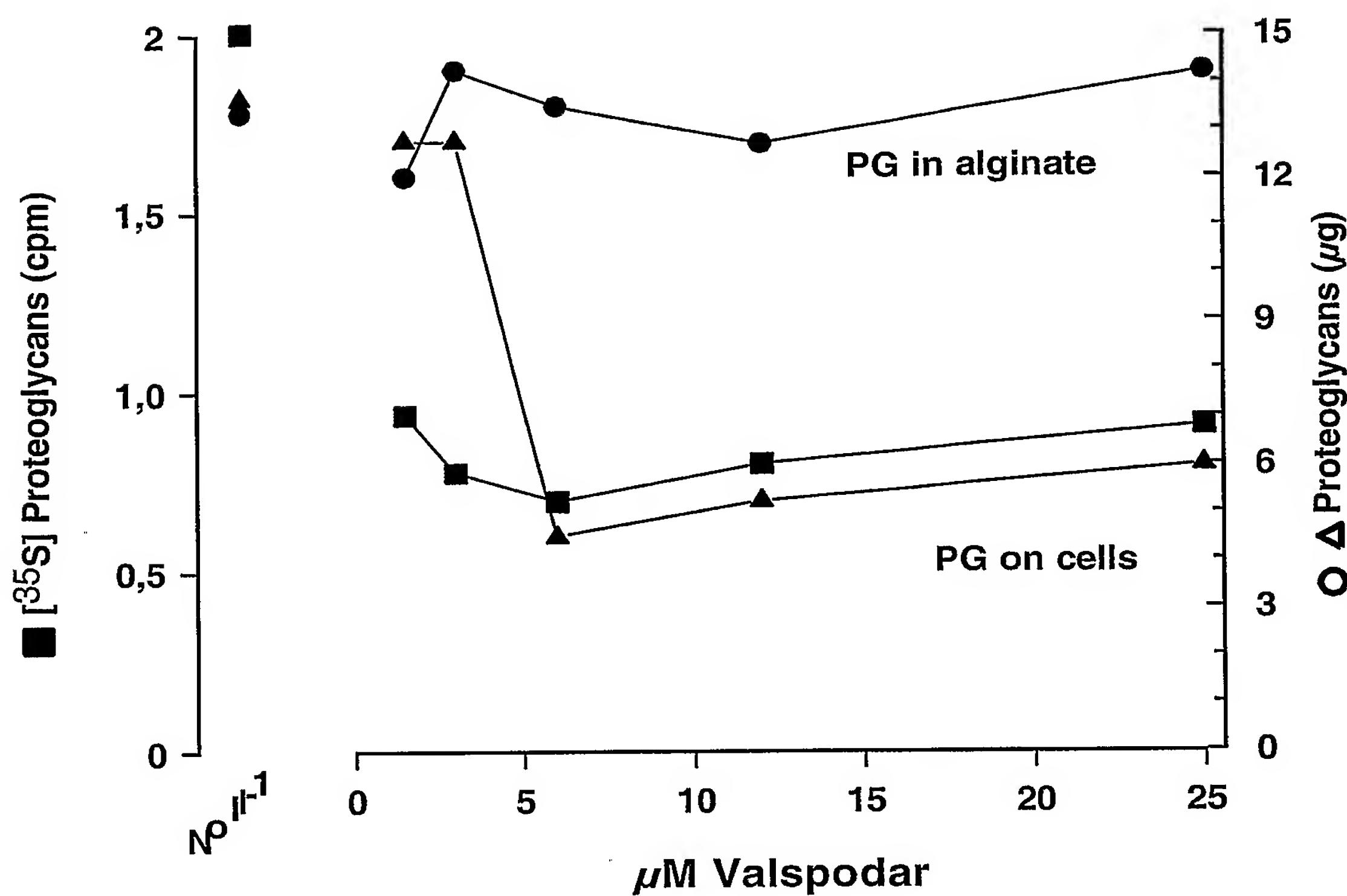
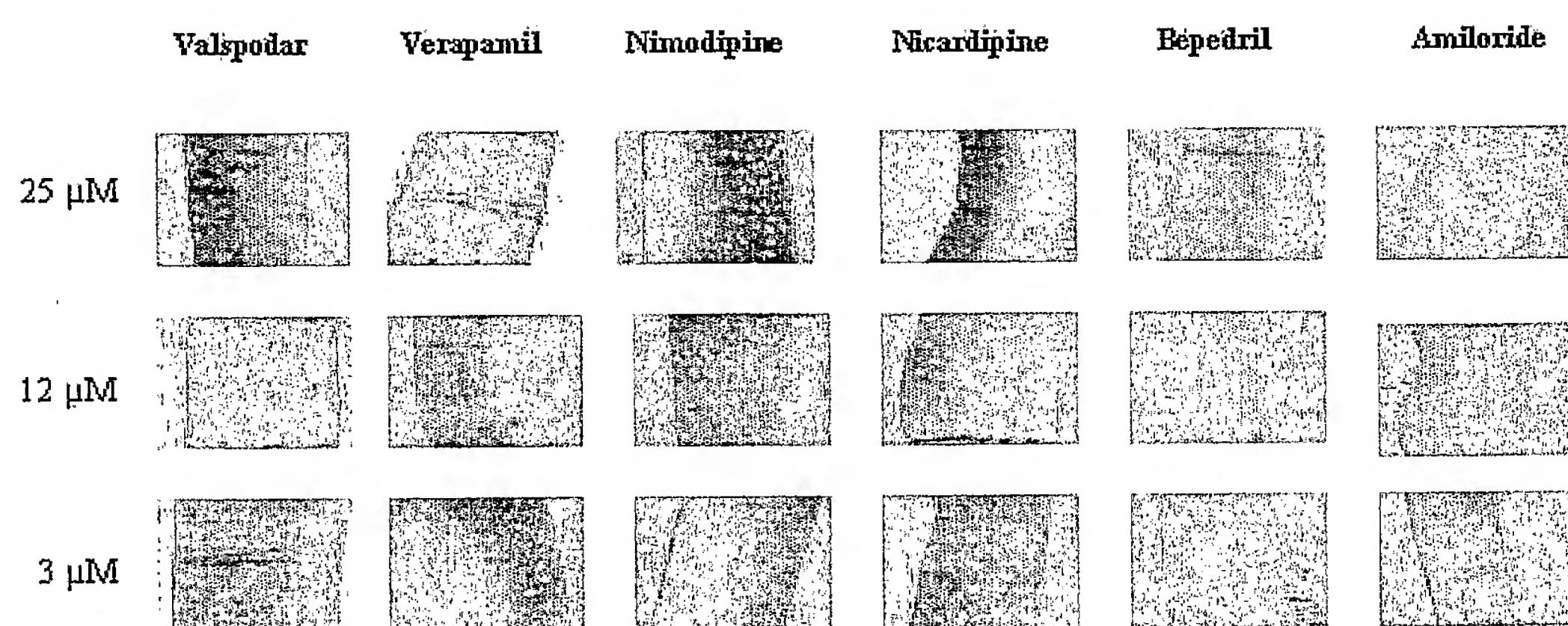
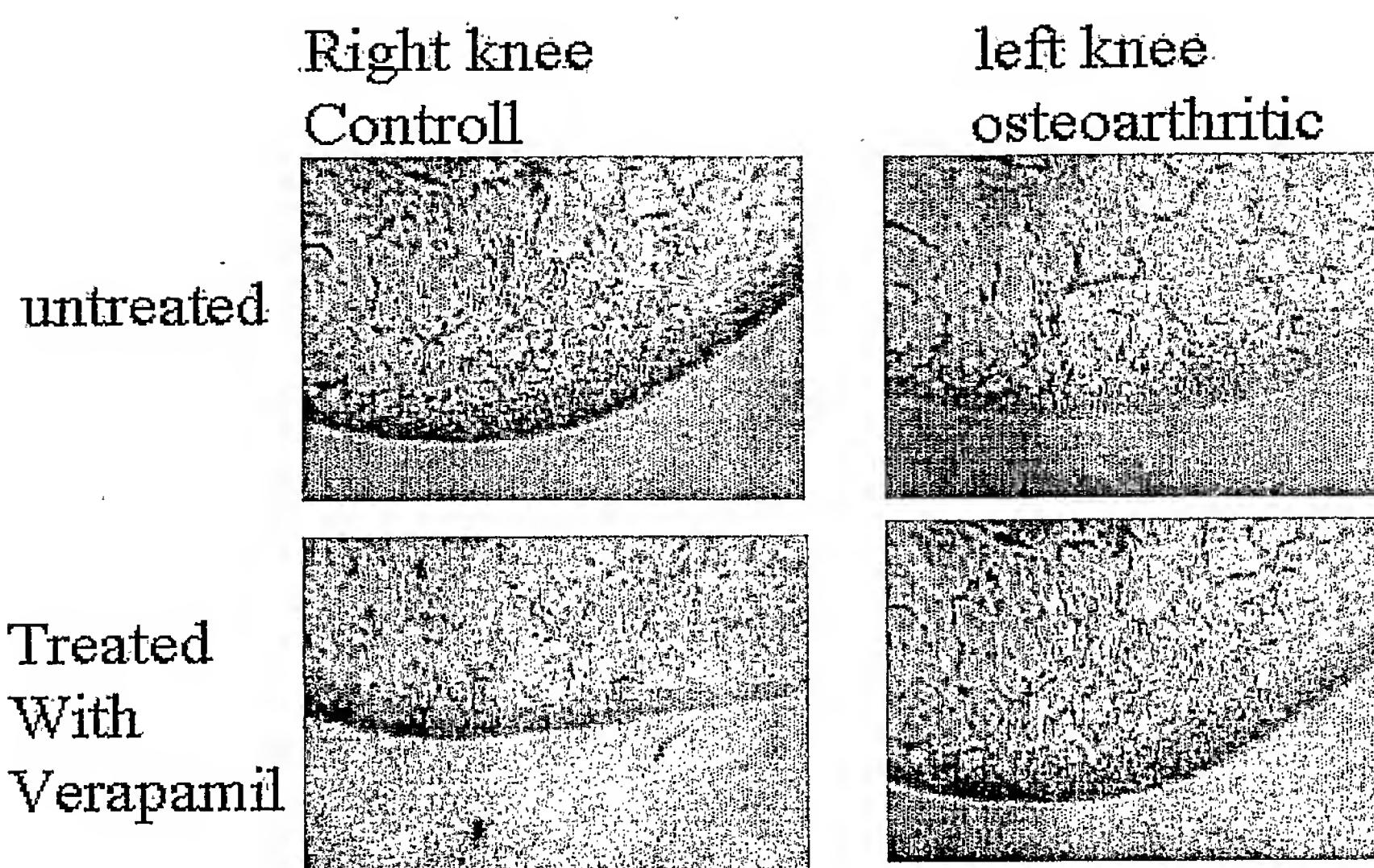


FIGURE 14

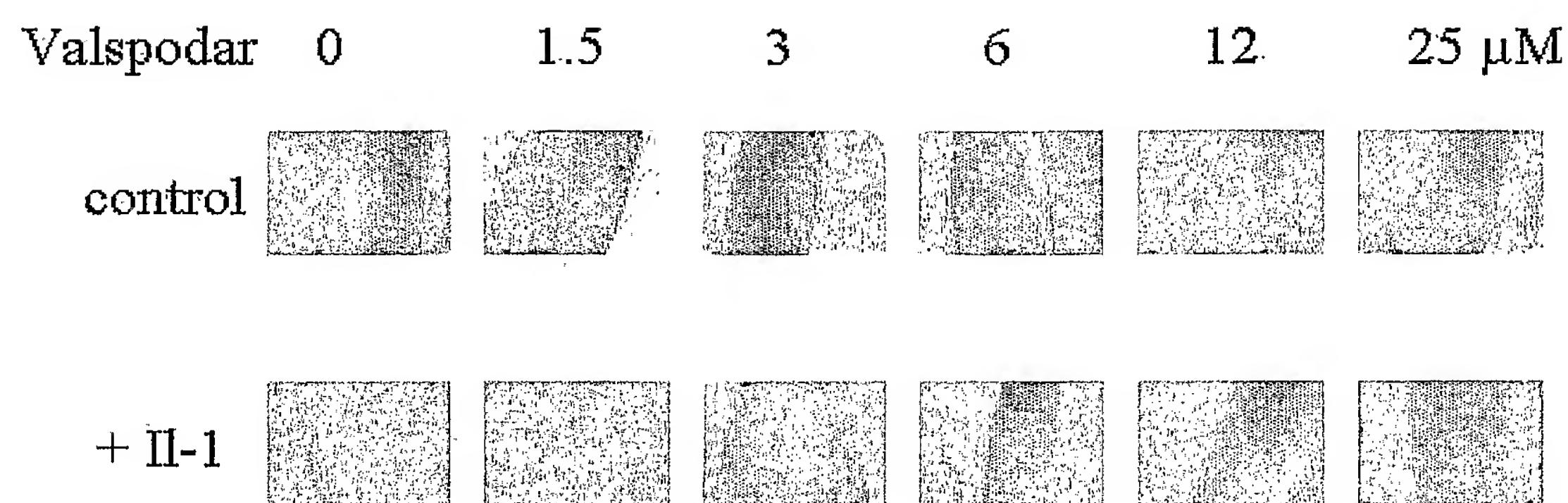
15/27

**FIGURE 15**

16/27

**FIGURE 16**

17/27

**FIGURE 17**

18/27

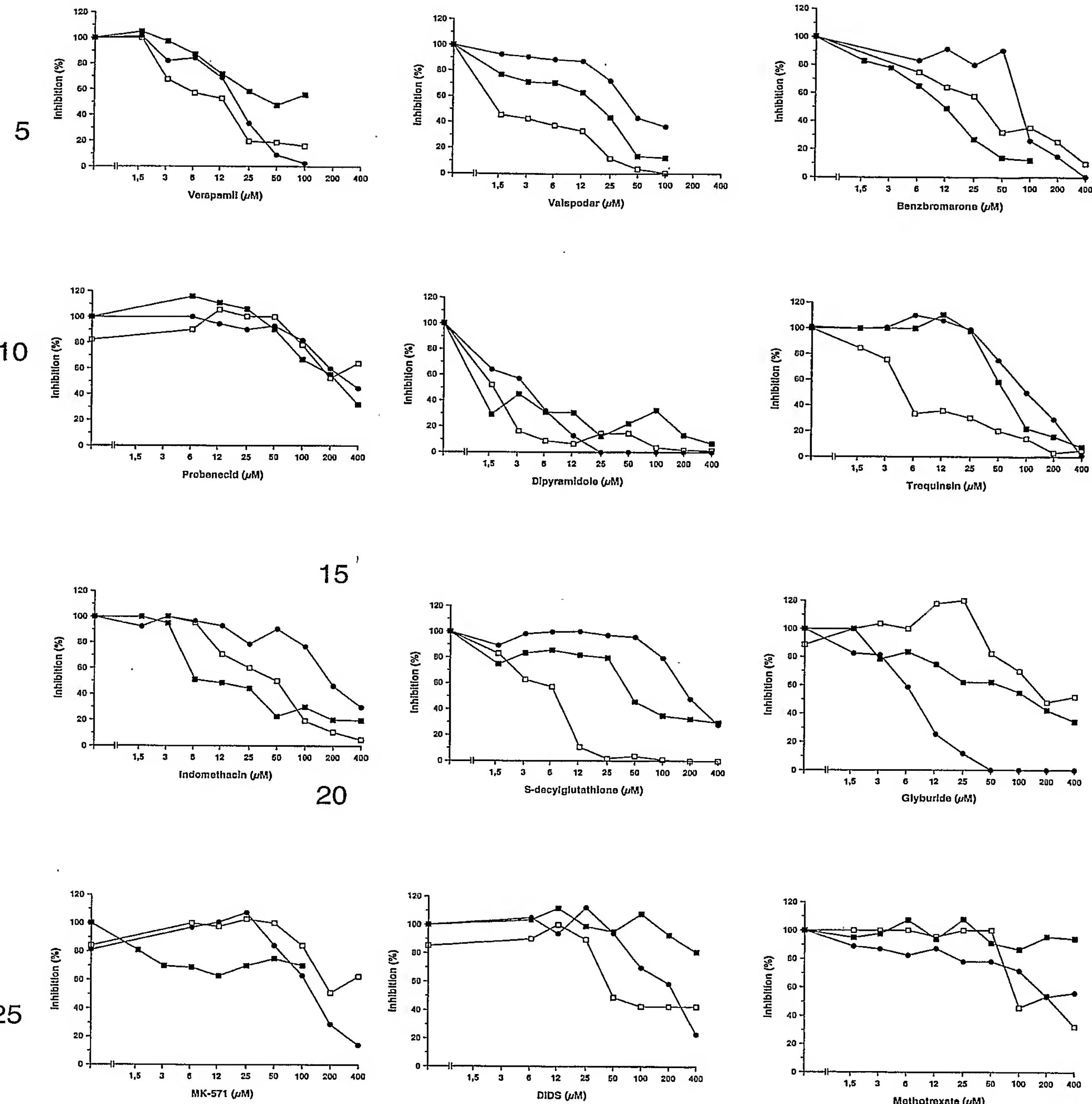


FIGURE 18

19/27

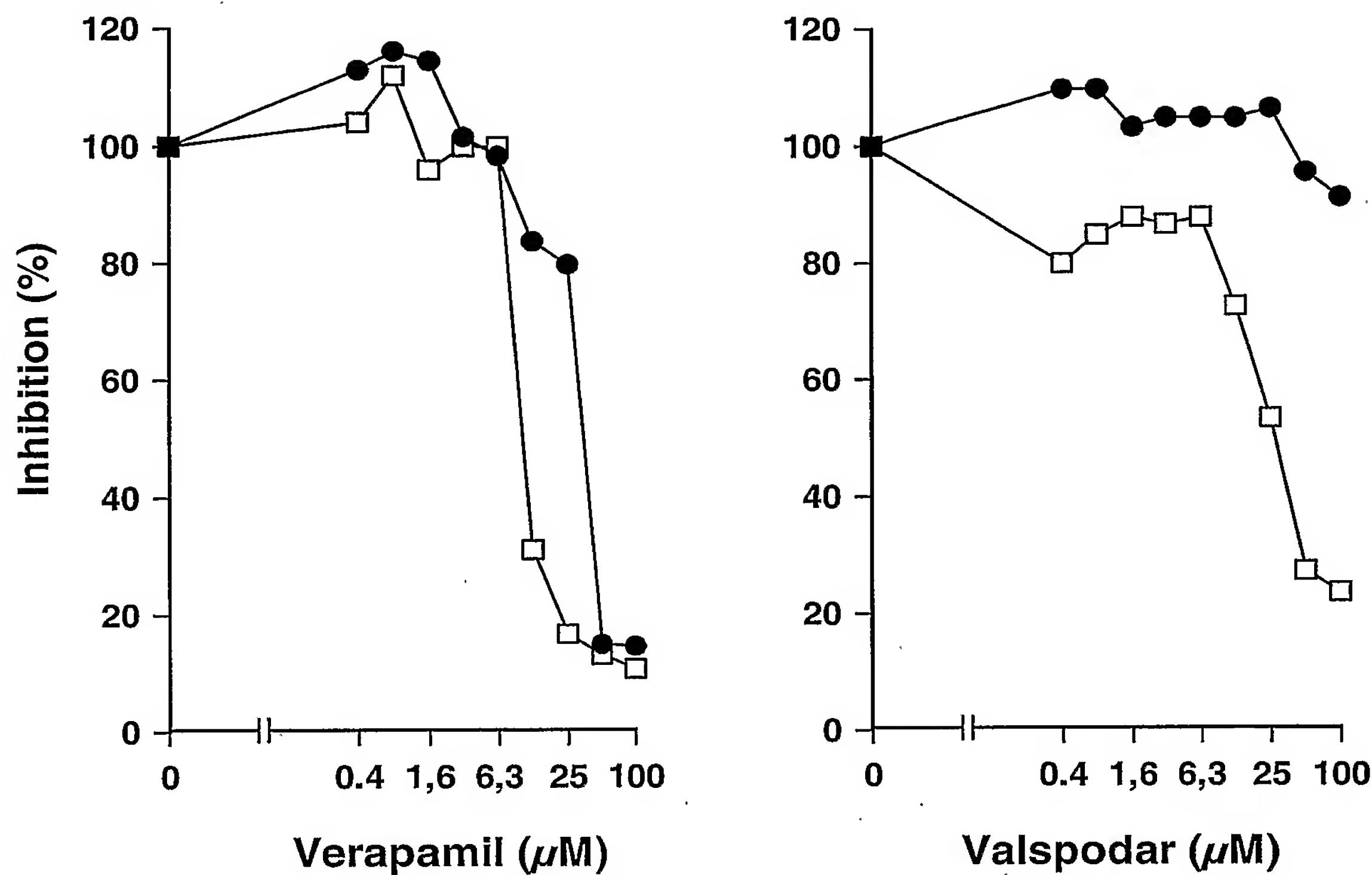
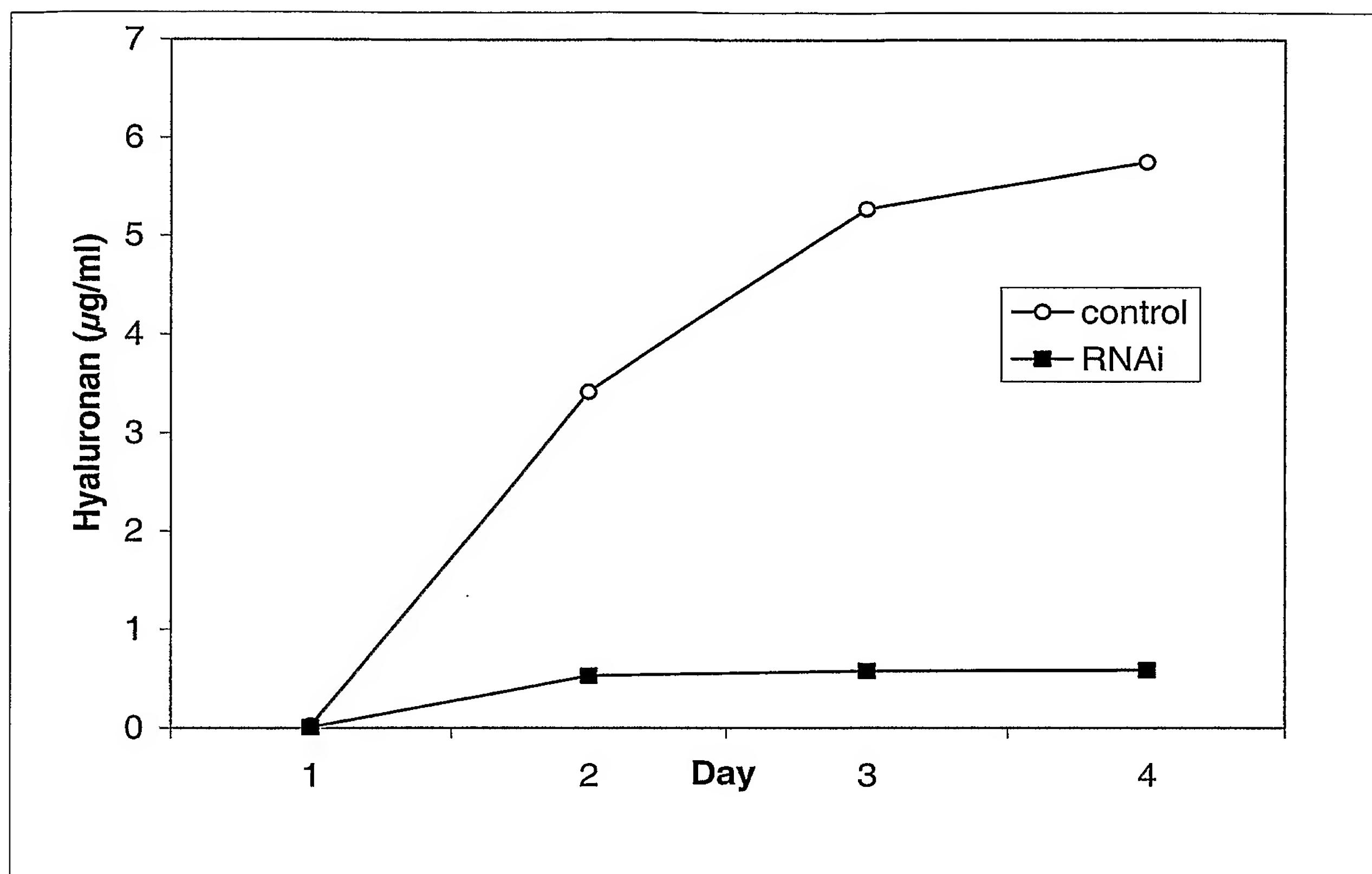


FIGURE 19

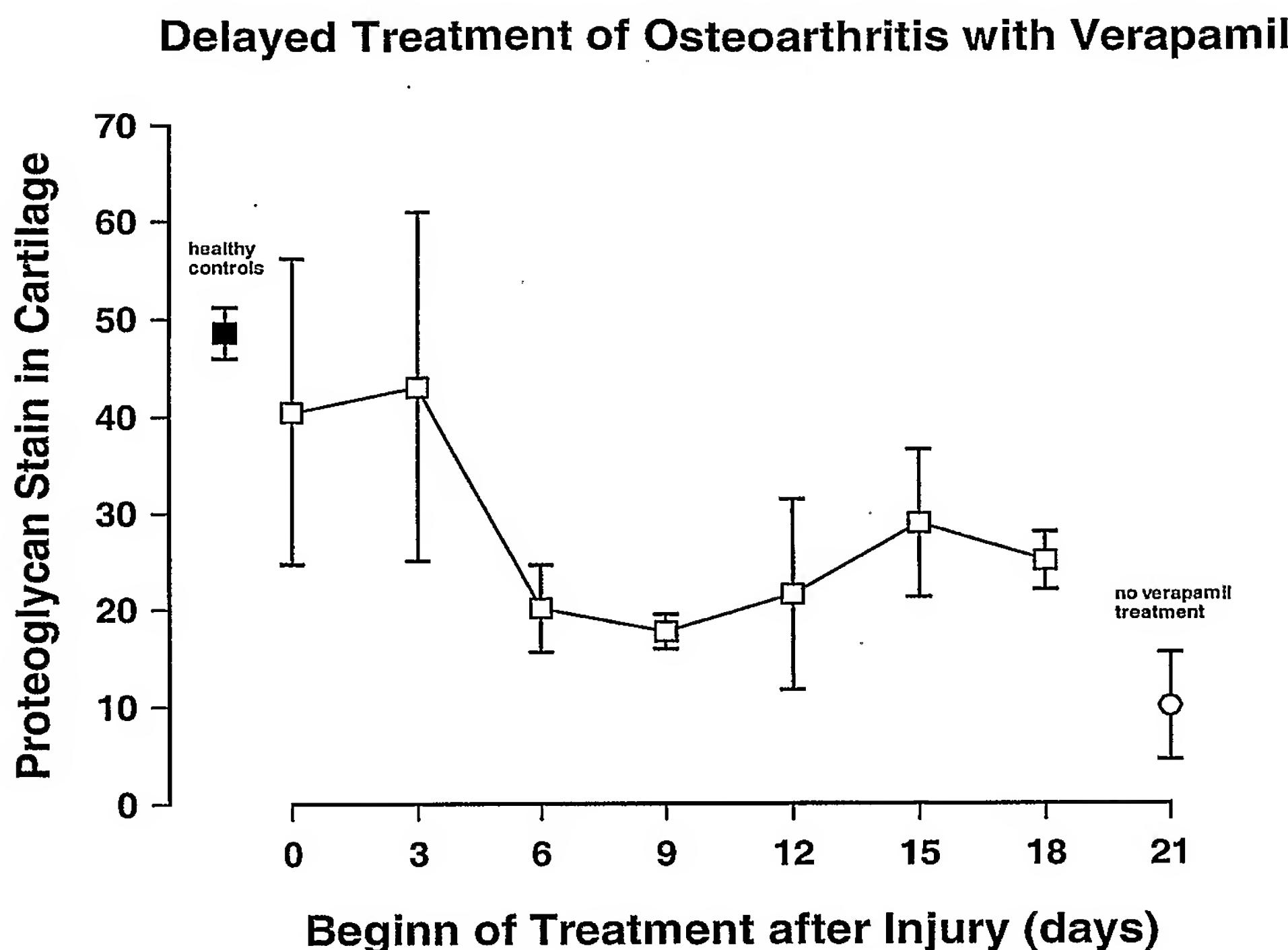
20/27

Inhibition of Hyaluronan export  
by MRP5-RNAi

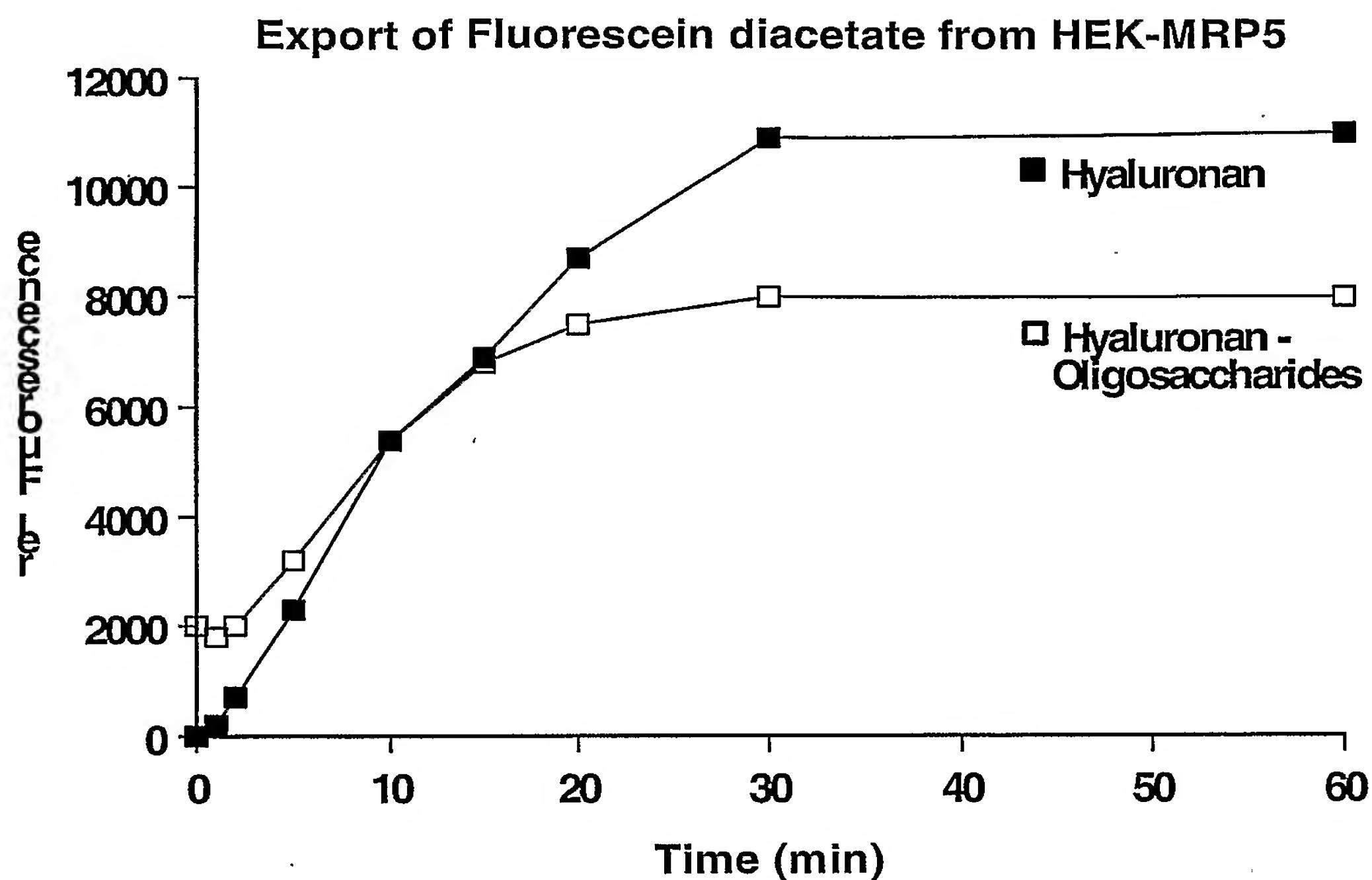


**FIGURE 20**

21/27

**FIGURE 21**

22/27

**FIGURE 22**

23/27

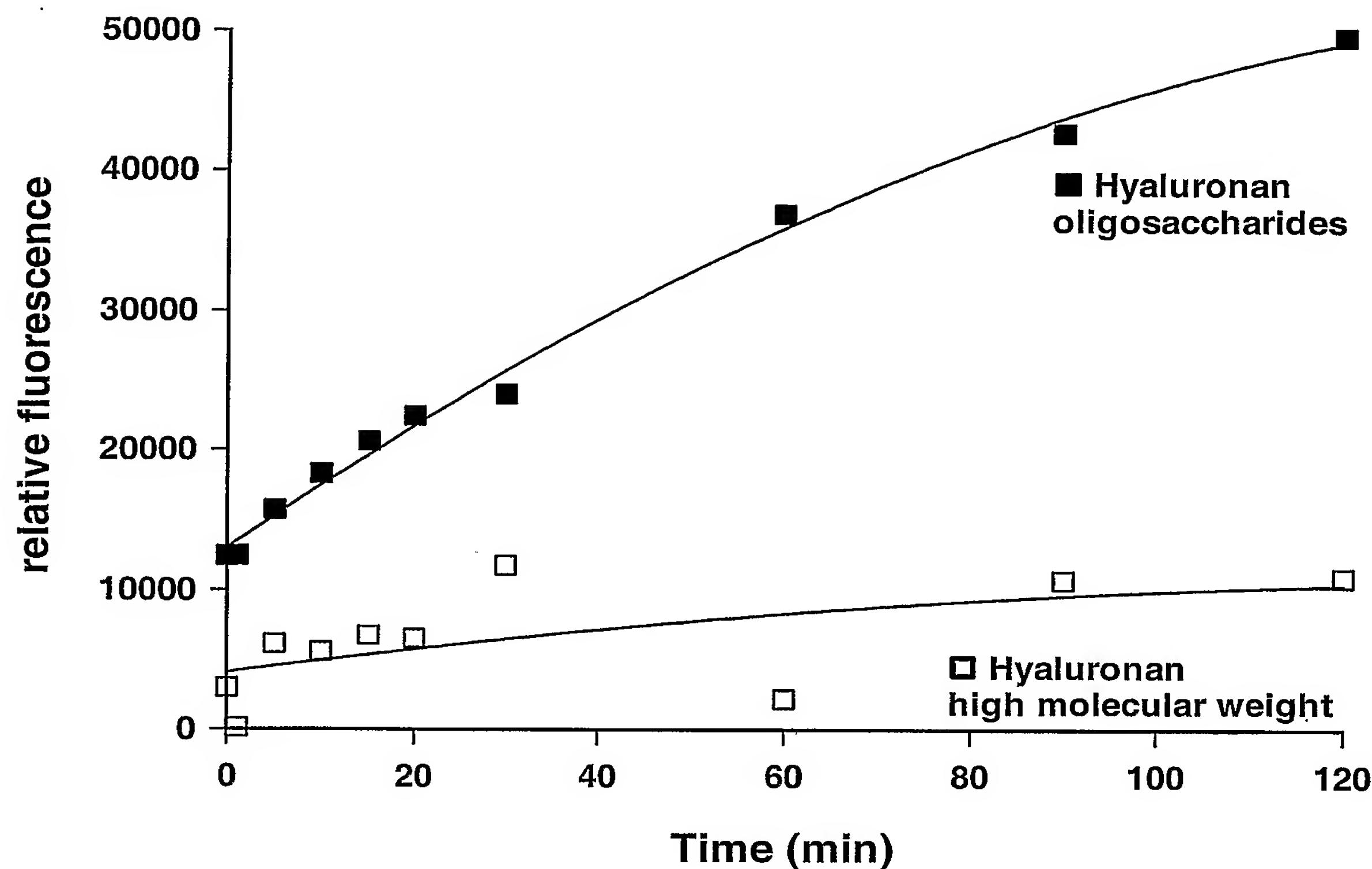


FIGURE 23

24/27

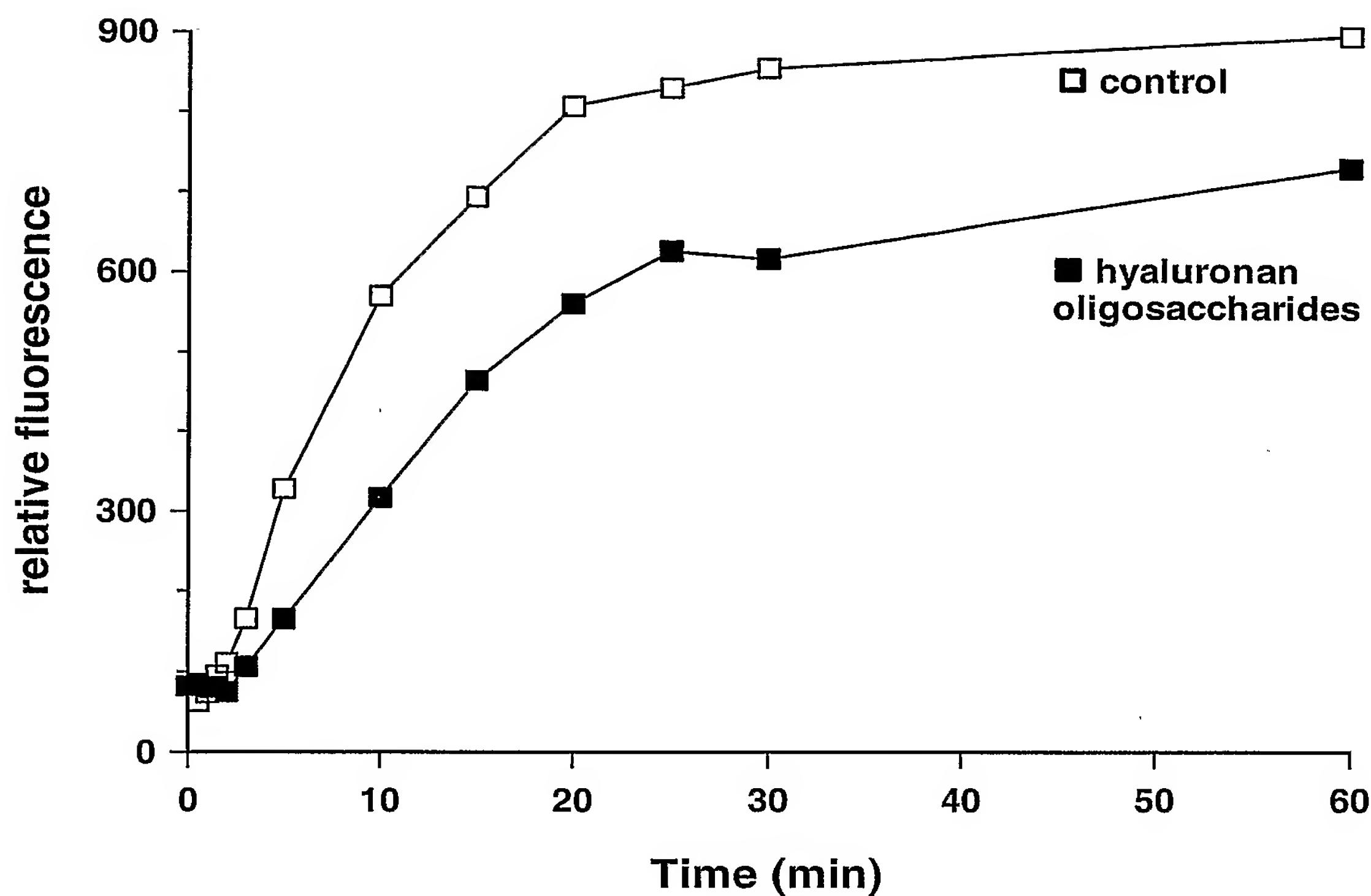


FIGURE 24

25/27

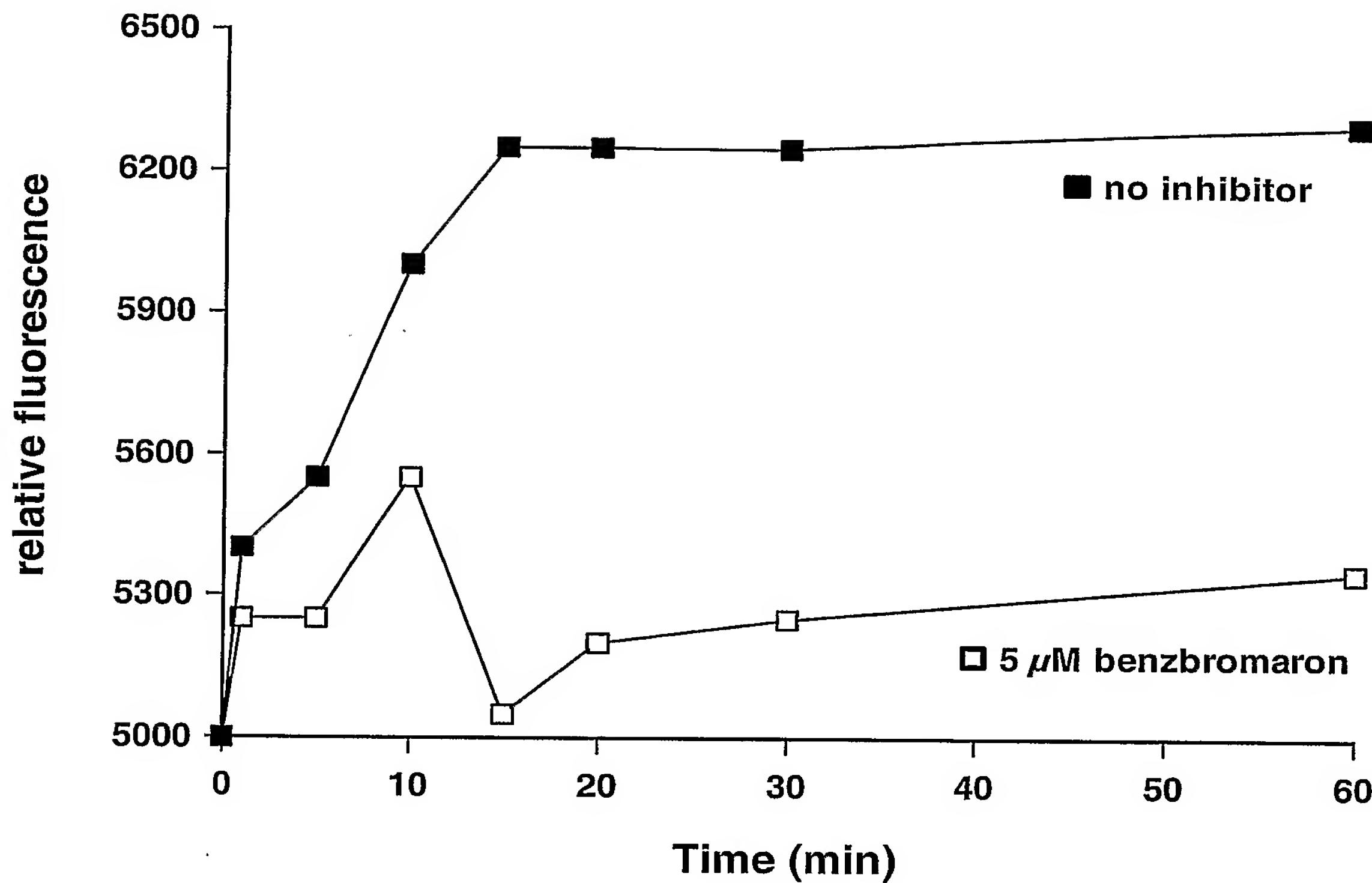


FIGURE 25

26/27

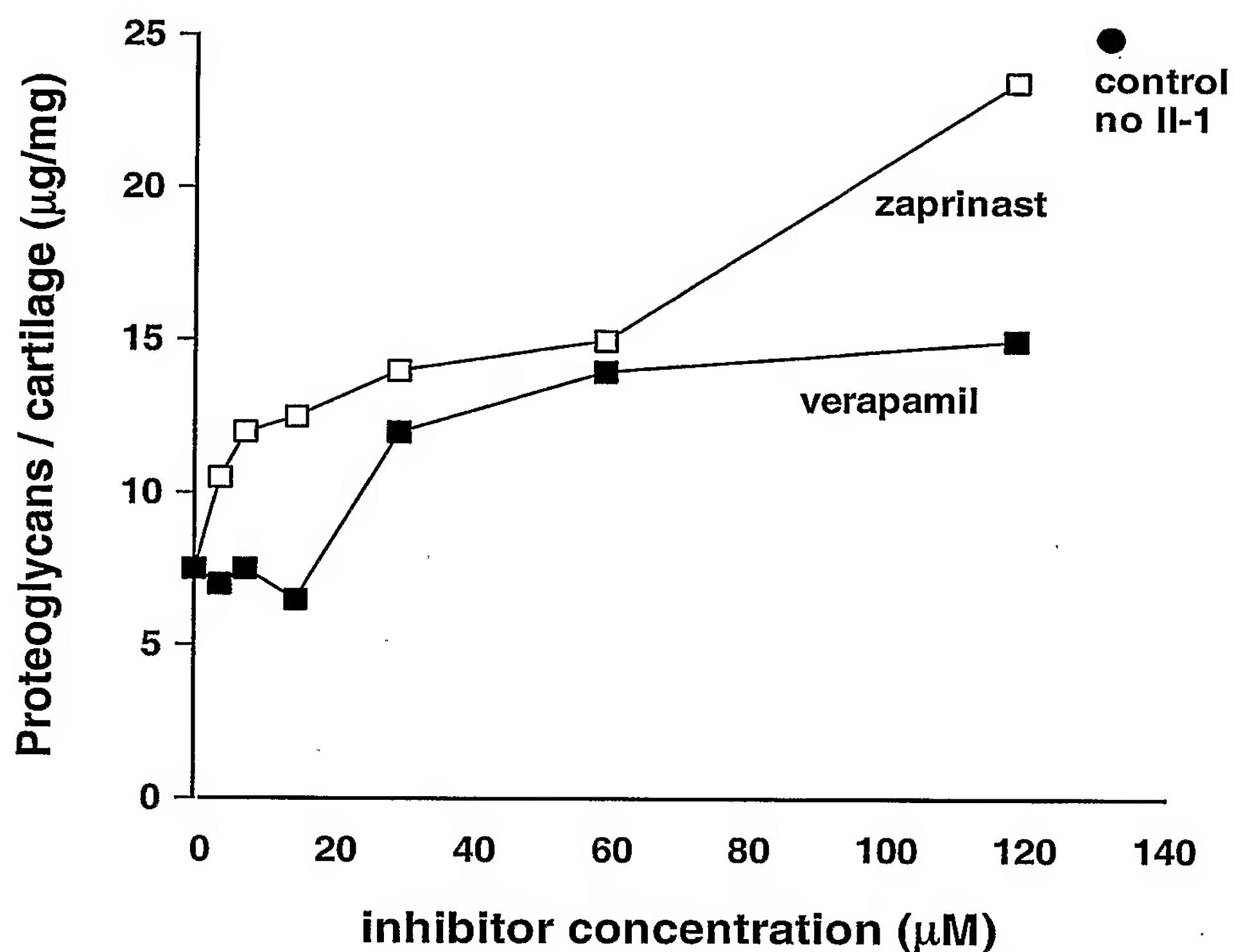
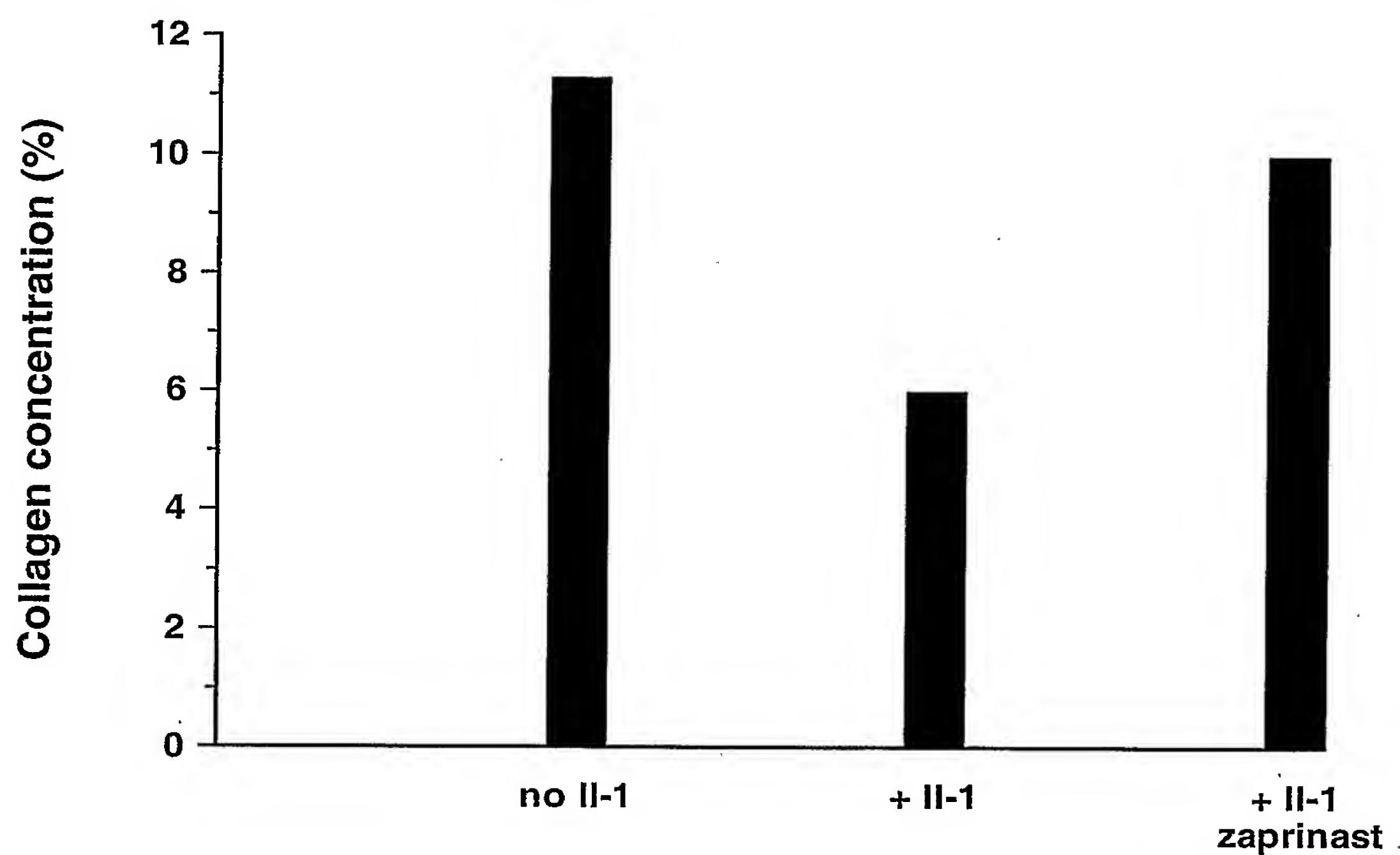


FIGURE 26

**Figure 27/27****FIGURE 27**